

Baylor Creek Dam and Baylor Creek Reservoir

OWNER

City of Childress.

ENGINEER (Design)

D. T. M. Davis.

LOCATION

On Baylor Creek in Childress County, 10 miles northwest of Childress.

DRAINAGE AREA

40 square miles.

DAM

Type	Earthfill
Length	3,383 ft
Maximum height	66 ft
Top width	16 ft
Top elevation	1,829.0 ft above msl

SPILLWAY (emergency)

Type	Cut through embankment
Crest length	500 ft
Crest elevation	1,820.0 ft above msl
Soft plug on crest	1,825.0 ft above msl

SPILLWAY (service)

Type	Open channel cut
Bottom width	200 ft
Crest elevation	1,820.0 ft above msl
Discharge	To Lake Childress

OUTLET WORKS (service)

Type	Cast iron pipe, 36-inch diameter
Control	Tower with gates, center elevations of 1,781.5, 1,795.5, and 1,809.5
Operation	From top of tower

STATE AUTHORIZATION

Permit No. 1480 (Application No. 1601), March 17, 1949, authorizes impoundment of 9,200 acre-feet of water with annual diversion of 2,164 acre-feet for municipal supply. The lake is also used for recreational purposes.

RESERVOIR DATA (From design drawings)

Capacity	9,220 acre-feet at elevation 1,820.0 ft above msl
Area	610 acres at elevation 1,820.0 ft above msl

GENERAL

Construction started	April 1, 1949
Deliberate impoundment began	December 1949
Project completed	February 1950

